GENTRAL FAX GENTAL

SEP 04 2008

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## IN THE CLAIMS

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Amend claims 1, 4, 5, and 8, cancel claim 3, and add new claims 22-24 as follows:

- 1. (currently amended) A method for producing activated carbon from poultry manure comprising:
  - a) grinding poultry manure prior to said carbonizing to provide a mixture of substantially uniform sized particles;
  - a b) carbonizing said poultry manure which has been ground to produce carbonized manure, and
  - b g) activating said carbonized manure under conditions effective to produce activated carbon having a BET surface area greater than about 200 m<sup>2</sup>/q.
- 2. (previously presented) The method of claim 1 wherein said poultry manure is selected from the group consisting of poultry cake and poultry litter.
  - (cancelled).
- 4. (currently amended) The method of claim 3 1 wherein said poultry manure is ground to about 20 mesh.

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- 5. (currently amended) The method of claim 3 1 further comprising pelletizing said mixture of substantially uniform sized particles to provide pelleted manure.
- 6. (previously presented) The method of claim 5 wherein said pelleted manure is between approximately 3/16 inch and approximately 3/8 inch in diameter.
- 7. (previously presented) The method of claim 1 wherein said carbonizing comprises heating said poultry manure for a period of time and under conditions effective to carbonize said manure.
- 8. (currently amended) The method of claim 3 1 wherein said poultry manure is carbonized in a substantially oxygen-free environment.
- 9. (previously presented) The method of claim 1 wherein said activating comprises contacting said carbonized manure with steam.
- 10. (previously presented) The method of claim 9 wherein said activating comprises contacting said carbonized manure with

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at a temperature between about 700 to about 900°C, for about 15 to about 75 minutes.

- 11. (previously presented) The method of claim 10 wherein said stream flow rate is between about 1.0 to about 5.0 ml/kg min.
- 12. (previously presented) The method of claim 1 further comprising washing said activated carbon with mineral acid to remove ash therefrom, and rinsing the washed activated carbon with water.
- 13. (original) The method of claim 1 wherein said conditions for activating said carbonized manure are effective to produce activated carbon having a BET surface area greater than about 300 m<sup>2</sup>/g.
- 14. (original) The method of claim 1 wherein said activated carbon further comprises a phosphate ion content greater than 4.0% by weight.

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- (previously presented) Activated carbon produced by the method of claim 1.
- 16. (previously presented) Activated carbon produced by the method of claim 2.
- (previously presented) Activated carbon produced by the method of claim 5.
- (previously presented) Activated carbon produced by the method of claim 10.
- (previously presented) Activated carbon produced by the method of claim 12.
- (previously presented) Activated carbon produced by the method of claim 13.
- (previously presented) Activated carbon produced by the method of claim 14.
- (new) A process for treatment of fluids to remove heavy metals therefrom comprising contacting a fluid suspected of heavy

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metal contamination with the activated carbon produced by the method of claim 1 effective to adsorb said heavy metals thereon.

- 23. (new) The process of claim 22 wherein said heavy metals comprise Cu(II), Pb(II), Zn(II), Cd(II), Ni(II), Cr(III), Hg(II), Fe(II), Fe(III), Al(III), Co(II), Sn(II), Sn(IV), Ca(II) or Mg(II).
- 24. (new) The process of claim 22 wherein said heavy metals comprise Cu(II), Zn(II), Cd(II), Cr(III) or Ni(II).